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Claims

1. A method of protecting a surface from corrosion, comprising applying to the surface a cementitious composition which, in the hardened state, acts as a low leaching coating in low alkalinity and low hardness waters.
2. A method according to claim 1, wherein the cementitious composition comprises at least one cement and a component which is capable of reacting with free lime.
3. A method according to claim 1 ~~or 2~~, wherein the cementitious composition comprises at least one cement and a highly reactive pozzolan.
4. A method according to claim 3, wherein the pozzolan is metakaolin.
5. A method according to claim 3 ~~or 4~~, wherein the composition comprises not more than 30 parts by weight pozzolan, based on the dry composition.
6. A method according to claim 3, ~~4 or 5~~, wherein the composition comprises not less than 5 parts by weight pozzolan, based on the dry composition.
7. A method according to claim 3, ~~4, 5 or 6~~, wherein the composition comprises not more than 10 parts by weight pozzolan, based on the dry composition.
8. A method according to any one of claims 2 to 7, wherein the cementitious composition further comprises a cement replacement material in an amount of not more than 70 parts by weight, based on the dry composition.
9. A method according to claim 8, wherein the cement replacement composition is ground granulated blast furnace slag and/or pulverised fuel ash.

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10. A method according to any one of claims 2 to 9, wherein the cement is a hydraulic cement.

11. A method according to claim 10, wherein the hydraulic cement is calcium silicate cement.

12. A method according to ~~any preceding~~ claim, wherein the cementitious composition further comprises aggregate.

13. A method according to ~~any preceding~~ claim, wherein the cementitious composition further comprises fibre reinforcement.

14. A method according to ~~any preceding~~ claim, wherein the cementitious composition further comprises water.

15. A method according to claim 14, wherein the cementitious composition comprises not more than 50 parts by weight water, based on the wet composition.

16. A method according to ~~any preceding~~ claim wherein the cementitious composition is mixed with sand to form a cementitious mortar composition, prior to being applied to said surface.

17. A method according to ~~any preceding~~ claim, wherein said surface is a metal surface.

18. A method according to ~~any preceding~~ claim, wherein said surface forms part of a pipe.

19. A method according to ~~any preceding~~ claim, wherein said cementitious composition is hardened after application to the surface.

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20. A cementitious composition comprising at least one cement in combination with metakaolin.

21. A composition according to claim 20, comprising not more than 30 parts by weight metakaolin, based on the weight of the dry composition.

A¹² 22. A composition according to claim 20 ~~or 21~~, comprising not more than 10 parts by weight pozzolan, based on the dry composition.

A 10 23. A composition according to claim ~~20, 21~~ or 22, further comprising a cement replacement material in an amount of not more than 70 parts by weight, based on the dry composition.

15 24. A composition according to claim 23, wherein the cement replacement composition is ground granulated blast furnace slag and/or pulverised fuel ash.

25. A composition according to any one of claims 20 to 24, wherein the cement is calcium silicate cement.

Sub 20 26. A composition any one of claims 20 to 25, further comprising aggregate and/or fibre reinforcement.

25 27. A composition according any one of claims 20 to 26, further comprising not more than 50 parts by weight water, based on the wet composition.

28. A cementitious mortar composition comprising a mixture of cementitious composition according to any one of claims 20 to 27 and with sand.

30 29. A pipe comprising a hollow metallic conduit and a coating provided on an internal and/or external surface of the conduit, wherein the coating comprises a composition according to any one of claims 20 to 28.

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